

INTERNATIONAL SEARCH REPORT

Internat Application No

PCT/IB 03/03251

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G11B7/135 G02B3/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 73776 A (KONINKL PHILIPS ELECTRONICS NV) 4 October 2001 (2001-10-04) page 9, line 13 -page 10, line 29	1-11
A	MAKOTO ITONAGA ET. AL.: "Single Objective Lens Having Numerical Aperture of 0.85 for a High Density Optical Disk System" JPN. J. APPL. PHYS., vol. 41, no. 3b, March 2002 (2002-03), pages 1798-1803, XP002261839 cited in the application the whole document --- -/--	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

18 November 2003

Date of mailing of the international search report

15/01/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	VAN DER AN M A H ET AL: "Small form factor optical drive: miniaturized plastic high-NA objective and optical drive" 2002 INTERNATIONAL SYMPOSIUM ON OPTICAL MEMORY AND OPTICAL DATA STORAGE TOPICAL MEETING. JOINT INTERNATIONAL SYMPOSIUM. TECHNICAL DIGEST (CAT.NO.02EX552), 2002 INTERNATIONAL SYMPOSIUM ON OPTICAL MEMORY AND OPTICAL DATA STORAGE TOPICAL MEETING. JOINT , 7 July 2002 (2002-07-07), pages 251-253, XP010600189 2002, Piscataway, NJ, USA, IEEE, USA the whole document	1-11
P,A	WO 03 054591 A (HENDRIKS BERNARDUS H W ;KONINKL PHILIPS ELECTRONICS NV (NL)) 3 July 2003 (2003-07-03) the whole document	1-11
P,A	EP 1 298 652 A (VICTOR COMPANY OF JAPAN) 2 April 2003 (2003-04-02) paragraphs '0260!-'0271!; figures 37-40	1-11

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Information on patent family members

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